

# PATENT ABSTRACTS OF JAPAN

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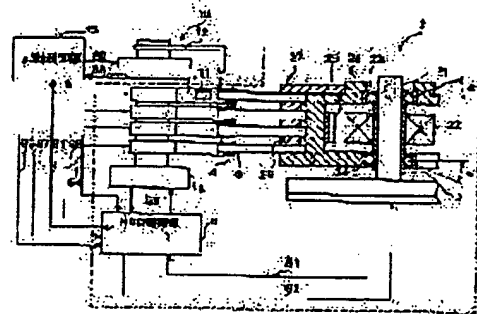
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## (54) METHOD FOR RECORDING POSITIONAL INFORMATION ON RECORDING CARRIER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To form a track capable of reducing as much as possible positional deviation between a recording start position and a recording end position of positional information due to deflection of a recording carrier occurring accompanying rotation around a shaft and surely performing later performed follow-up control for the track using the positional information.

**SOLUTION:** In a method for recording the positional information on a magnetic disk 3, the deflection of the outer peripheral surface of the rotating magnetic disk 3 in the radial direction is detected by a displacement sensor 11, and the deflection of the main frequency component of the deflection (NRRO) not synchronized with the rotation of the magnetic disk 3 is extracted from this detected deflection by a BPF (band-pass filter). A recording start point of time is selected so that a difference between the value of the deflection by the extracted main frequency component in the recording start point of time of the positional information and the value of the deflection by the main frequency component in the point of time making once to rotate the magnetic disk 3 from the recording start point of time becomes minimum based on the waveform of the deflection by the extracted main frequency component.



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